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UNIVERSITY OF SOUTH CAROLINA

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CSCE 240: Advanced Programming Techniques
Lecture 26: Quiz2

PROF. BIPLAV SRIVASTAVA, AI INSTITUTE

14TH APRIL 2022

Carolinian Creed: "I will practice personal and academic integrity."

Credits: Some material reused with permission of Dr. Jeremy Lewis. Others used as cited with thanks.

Organization of Lecture 26

- Introduction Section
  - Recap of Lecture 25
  - TA and SI Updates
- Main Section
  - Quiz 2
- Concluding Section
  - About next lecture – Lecture 27
  - Ask me anything

Introduction Section

Recap of Lecture 25

- Project
  - 20 points for the fully working demo, due by Tuesday, April 12, 2022. Submit code and video.
  - 40 points for report, due by Friday, April 15. Submit report in format.
  - 40 points for the presentation, due by Tuesday, April 19.
- Review for Quiz 2

Updates from TA, SU

- TA update: Yuxiang Sun (Cherry)
- SI update: Blake Seekings

Main Section

Quiz 2

Due – end of class

- **Questions is about concepts, pseudo-code and UML diagram**.

- C++ code fragments is shown
- Pseudo code is asked, but they do not have to be running code.

- The quizzes will be in class and can be done on paper or a text editor like Google doc.

Topics Covered and In-Scope

1	**Jan 11 (Tu)**	**Introduction**	
2	Jan 13 (Th)	Introduction – Pointers, Iteration	
3	Jan 18 (Tu)	Input/ Output	
4	Jan 20 (Th)	I/O, Exceptions	HW 1 due
5	Jan 25 (Tu)	Memory management, User defined types	Prog 1 - start
6	Jan 27 (Th)	Object Oriented (OO) intro	HW 2 due
7	Feb 1 (Tu)	OO concepts, UML Notations	
8	Feb 3 (Th)	Code org (C++)	Prog 1 - end
9	Feb 8 (Tu)	OO – inheritance	Prog 2 - start
10	Feb 10 (Th)	Regex, OO - polymorphism	HW 3 due
11	Feb 15 (Tu)	In class test	Quiz 1 – In class
12	**Feb 17 (Th)**	**Review: inheritance, Polymorphism**	
13	Feb 22 (Tu)	Exceptions	Prog 2 - end
14	Feb 24 (Th)	OO – Constructor, Destructor	Prog 3 - start
15	Mar 1 (Tu)	OO – operators, access control	HW 4 due
16	Mar 3 (Th)	C++ standard library	Prog 3 - end Semester - Midpoint
17	Mar 15 (Tu)	Testing strategies	Prog 4 - start
18	Mar 17 (Th)	Advanced: Pointers	HW 5 due
19	Mar 22 (Tu)	Advanced: Pointers, I/O	
20	Mar 24 (Th)	Advanced: Operator overloading	Prog 4 - end
21	Mar 29 (Tu)	Advanced: Memory Management	Prog 5 - start
22	Mar 31 (Th)	Advanced: Code efficiency	
23	Apr 5 (Tu)	Advanced: Templates	Prog 5 - end
24	Apr 7 (Th)	AI / ML and Programming	Prog 6 - assembling

About Next Lecture – Lecture 27

Lectures 27-28: Project Presentations

- Be in class to present and hear
- Slides to be used from your GitHub

25	**Apr 12 (Tu)**	**Review material for Quiz 2**	**Project due**
26	Apr 14 (Th)	In class test	Quiz 2 – In class
27	Apr 19 (Tu)	Project presentation	
28	Apr 21 (Th)	Project presentation	Last day of class
29	Apr 28 (Th)	Wrap-up and Conclusion	Examination